



KS-3 DVD / CD+G KARAOKE MACHINE

Performer

CONTENTS

- 1 Introduction
- 2 Safety instructions
- 3 Disc handling and maintenance
- 4 Control locations: Front panel
- 5 Connection locations: Rear panel
- 6 Connecting to external equipment
- 7 Remote control
- 8 Remote control features
- 9 Using the microphone features
- 10 Using the microphone
- 11 Using the microphone controls
- 12 Using the CD+G/DVD player
- 14 Understanding multiplex
- 15 KS-3 setup
- 16 Troubleshooting
- 17 Care and maintenance
- Specifications
- Contact details

INTRODUCTION

Congratulations on purchasing this Pop Idol DVD/CD+G karaoke machine from Acoustic Solutions. We strongly suggest that you carefully study these instructions before attempting to operate the system, and that you note all the listed precautions.

Because of the features built into this product, the KS-3 is ideal for the following applications:

Karaoke
DVD Movies
Disco
General PA applications

We trust that this product will give you hours of entertainment, and provide years of unparalleled performance. As with any new electrical product please be patient and allow at least 36 hours use before all components have acclimatized themselves with your surroundings, and found their optimum working temperature.

SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of electric shock, do not remove any cover.
**NO USER-SERVICEABLE PARTS INSIDE, REFER ANY SERVICING TO
QUALIFIED SERVICE PERSONNEL.**

- Read and keep these instructions available for future reference.
- For indoor use only.
- The unit must only be connected to a suitable mains power supply using the mains power lead provided.
- To reduce the risk of fire or electrical shock, do not expose this unit to rain or moisture.
- Unplug the unit from the wall socket during lightning storms and when it is not going to be used for a long period of time.
- Take care that foreign objects do not enter, or liquids are not spilled, into the enclosure through any openings. If this should happen, refer to qualified service personnel before attempting to use.
- Ensure adequate ventilation - do not cover this unit with curtains, etc.
- Do not install near any heat source, such as radiators, or other equipment that produces heat.
- Protect the mains power cable from being damaged.
- This apparatus shall not be exposed to dripping and splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

NOTE: The KS-3 is not completely isolated from the mains power when the mains switch is turned off.



**CAUTION: TO REDUCE THE RISK OF
ELECTRIC SHOCK, DO NOT REMOVE
COVER OR BACK. NO USER SERVICEABLE
PARTS INSIDE. REFER SERVICING TO
QUALIFIED PERSONNEL.**

EXPLANATION OF SYMBOLS

The lightning flash symbol with the arrowhead within an equilateral triangle is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be sufficient to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user of important operating and maintenance instructions in the service literature relevant to this appliance.

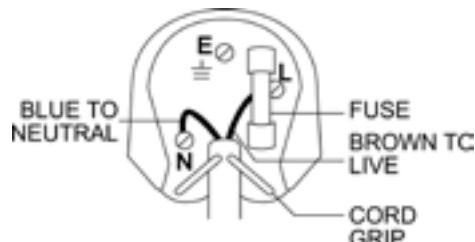
UK MAINS PLUG DETAILS

For your convenience a mains plug with a fuse (3 Amp) has been fitted to this appliance. For your safety please observe the following information.

- The KS-3 will operate on a AC mains supply of 230 volts, 50Hz.
- The wires in the mains lead are coloured in accordance with the following code:

BLUE	- NEUTRAL
BROWN	- LIVE

- Under no circumstances should the Neutral or Live wires be connected to the 'E' (Earth) terminal.



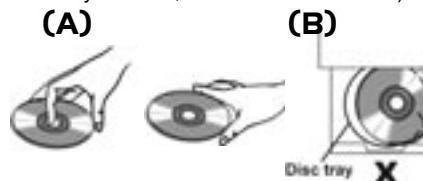
DISC HANDLING AND MAINTENANCE

HANDLING PRECAUTIONS

Hold the disc by the edges so the surface will not be soiled by fingerprints. **(A)** Fingerprints, dirt and scratches can cause skipping and distortion. Do not write on the label side with a ball-point pen or other writing instruments. Do not use record cleaning spray, benzine, thinners, static electricity prevention liquids or any other solvents. Be careful not to drop or bend the disc. Do not install more than one disc on the disc tray.

Do not try to close the disc tray when the disc is not installed properly **(B)**. Be sure to store the disc in its case when not in use.

If the surface is soiled **(C)** Wipe gently with a soft, damp (water only) cloth. When wiping discs, always move the cloth from the centre hole towards the outer edge. (if you wipe the disc using a circular motion, circular scratches are likely to occur, which will cause noise).



If the disc is brought from a cold to a warm environment, moisture may form on the disc. Wipe the moisture off with a soft, dry, lint-free cloth before using the disc.

IMPROPER DISC STORAGE

You can damage discs if you store them in the following places:

- Areas exposed to direct sunlight.
- Humid or dusty areas.
- Areas directly exposed to a heat outlet or heating appliance.

DISCS WHICH CANNOT BE PLAYED ON THIS PLAYER

Some rewritable DVDs. Region 1, 3, 4, 5, 6 discs.

GENERAL MAINTENANCE

- Be sure to turn the unit off and disconnect the AC power cord before doing any maintenance on the unit.
- Wipe with a dry soft cloth.
- If the surfaces are extremely dirty, wipe clean with a cloth which has been dipped in a weak soap-and-water solution and wrung out thoroughly, and then wipe again with a dry cloth.
- Never use alcohol, benzine, thinners, cleaning fluids or other chemicals.
- Do not use compressed air to remove dust.

REGION CODING

Since DVD movies are released at different times around the world, all DVD discs are "region coded" and will only play in a DVD player of the same region. If you try and play a different region disc an error message will be displayed on the TV screen.

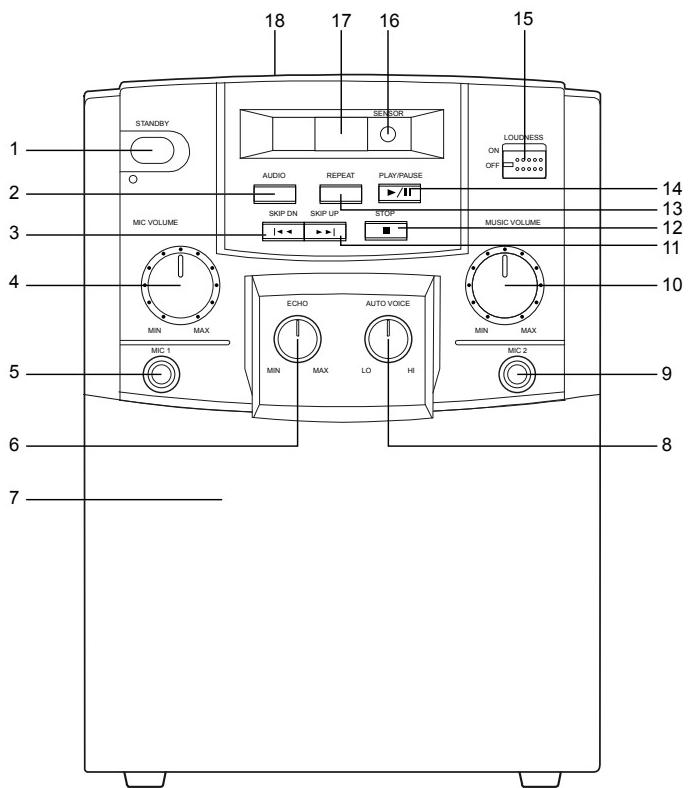


The world is divided into 6 main regions, and the discs are identified by the region number superimposed on a world globe:

Region 1	Canada, USA, US Territories.
Region 2	Europe, Middle East (including Egypt).
Region 3	Southeast Asia, East Asia (including Hong Kong).
Region 4	Central America, South America, Mexico, Australia, New Zealand, Pacific Islands, Caribbean.
Region 5	Russian Federation, Africa (not Egypt), North Korea, Mongolia.
Region 6	China.

Please contact your hardware retailer or manufacturer for further information on region codes or RCE - Regional Coding Enhancement.

CONTROL LOCATIONS: FRONT PANEL



1. STANDBY.

Turn the KS-3 system on or off.

2. AUDIO.

Switch between vocal/instrument track when playing a CD+G vocal track.

3. SKIP DN.

Press to skip to the previous track/chapter on a CD+G/CD/DVD.

4. MIC VOLUME.

Control the volume of MIC1 and MIC2 inputs.

5. MIC 1.

Connect microphone.

6. ECHO.

Add echo to the microphone signal.

7. LOUDSPEAKER.

Outputs sound from the KS-3.

8. AVC. (Auto Voice Cut)

Set the level of AVC when playing a vocal track on multiplex CD+G discs.

9. MIC 2.

Connect microphone.

10. MUSIC VOLUME.

Adjust the volume of the CD+G/CD/DVD playback.

11. SKIP UP.

Press to skip to the next track/chapter on a CD+G/CD/DVD disc.

12. STOP.

Stops CD+G/CD/DVD playback.

13. REPEAT.

Press to repeat.

14. PLAY/PAUSE

Toggle between playback and pause mode.

15. LOUDNESS ON/OFF.

Select on to enhance bass performance.

16. SENSOR.

Point remote control at this sensor to operate unit remotely.

17. LED DISPLAY.

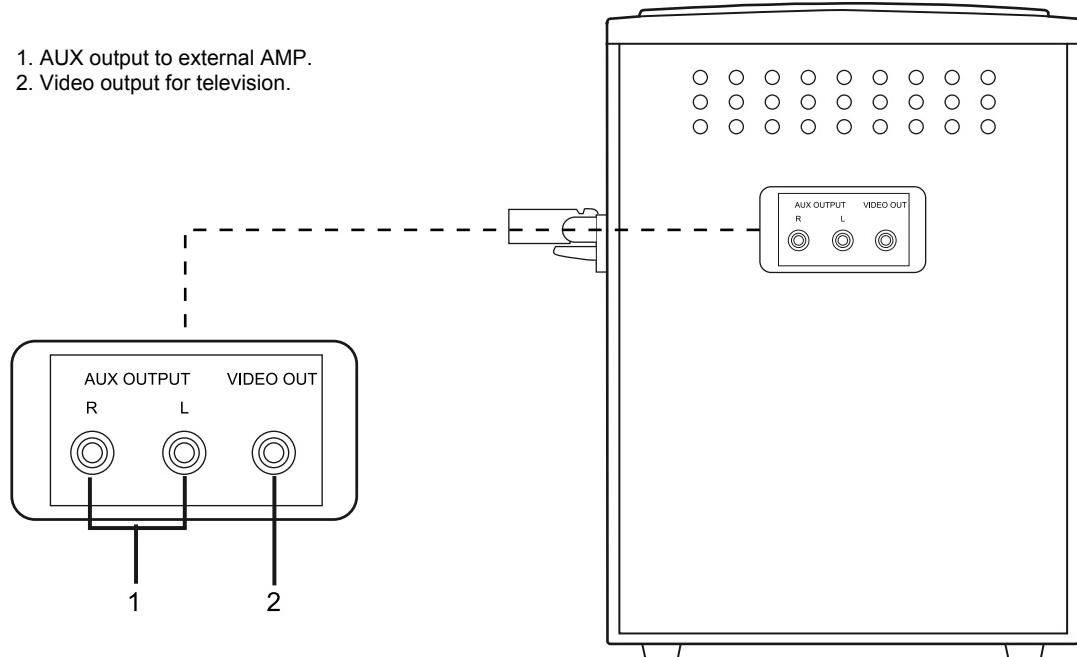
Displays current track/chapter being played.

18 DVDCD/CDG LOADING TRAY.

Use to load your CD/CD+G/DVD discs into the KS-3.

CONNECTION LOCATIONS - REAR PANEL

1. AUX output to external AMP.
2. Video output for television.



CONNECTING TO EXTERNAL EQUIPMENT

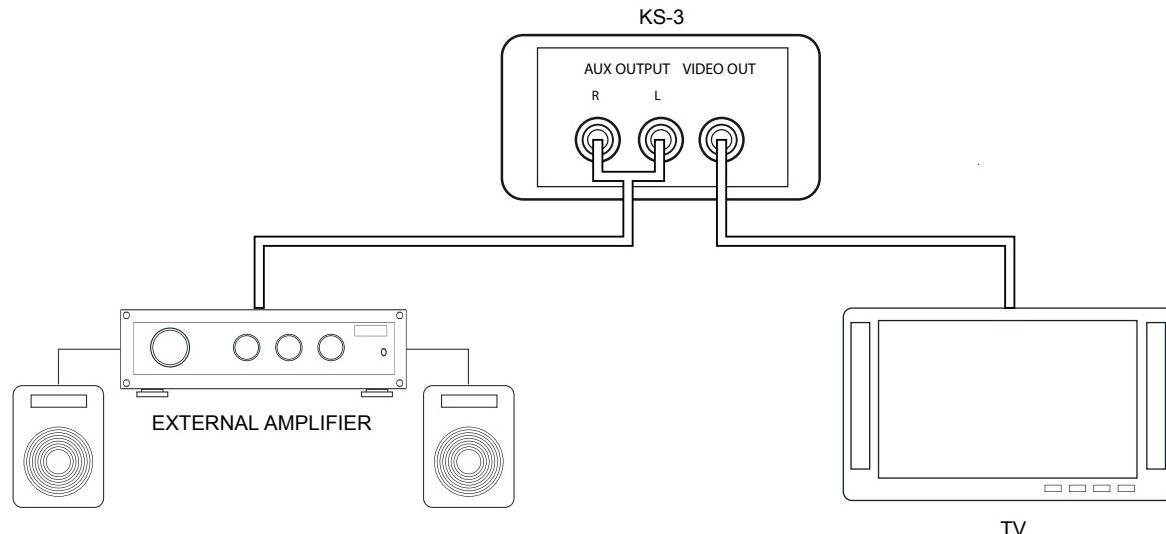
You can connect the KS-3 to external equipment in order to display lyrics from a CD+G disc and to provide further amplification.

CONNECTING TO A TELEVISION

Provided you are playing a CD+G disc, you will be able to connect the KS-3 to a television to display the song lyrics. Connect the supplied video cable from the VIDEO OUT socket on the back of the KS-3 to the 'VIDEO IN' socket on your television (this is normally located on the front or side of your television. If you do not have a VIDEO IN socket on your television, it is possible to use a phono/scart adapter and use an available scart socket on the rear of your television). You will then need to select the AV channel on your television in order to view the lyrics.

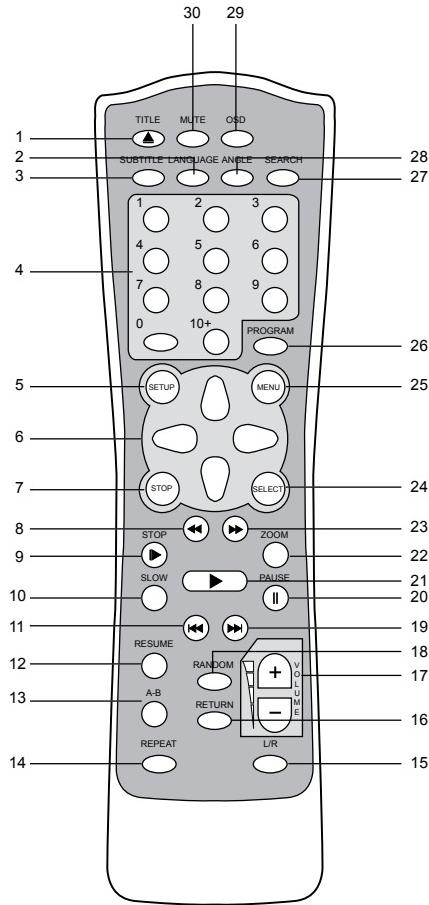
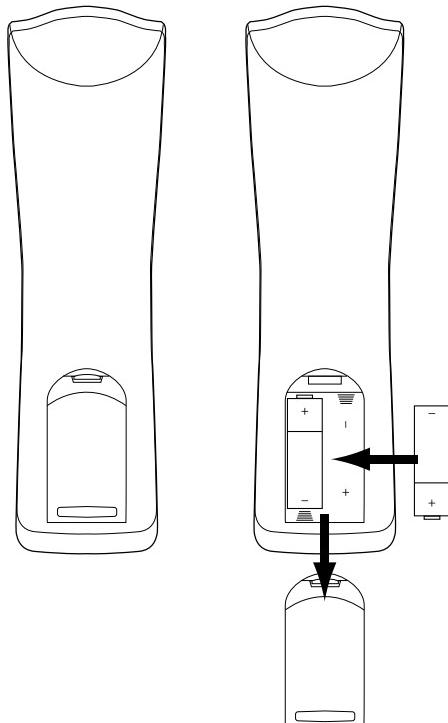
CONNECTING TO AN EXTERNAL AMPLIFIER

You can connect the KS-3 to an external amplifier to further amplify the sound. To do this, connect a pair of phono jacks (not supplied) from the AUX OUTPUT sockets on the rear of the KV-1 to the AUX INPUT on your amplifier (See below).



REMOTE CONTROL

Please insert 2 x AA 1.5V batteries as shown.



REMOTE CONTROL FEATURES

- 1. TITLE.** Return to the top menu when playing a DVD disc.
- 2. LANGUAGE.** Change the DVD audio soundtrack language. This depends on whether the DVD disc contains multiple languages.
- 3. ANGLE.** When a disc contains multiple viewing angles, press to view these different angles.
- 4. NUMERIC KEYS.** Use to directly access certain tracks/chapters on a disc.
- 5. SETUP.** Access and exit setup menu screens.
- 6. NAVIGATION KEYS.** Navigate setup menus and DVD menus.
- 7. STOP.** Stop playback of a DVD/CD/CD+G track.
- 8. REW.** Fast search backwards through a track/chapter (not CD+G).
- 9. STEP.** Use to move through a DVD chapter frame by frame.
- 10. SLOW.** Play a DVD disc in slow motion.
- 11. PREV.** Press to skip back through chapters and tracks.
- 12. RESUME.** Resume playback from stop mode.
- 13. A-B.** Use to set start and end points for repeat mode.
- 14. REPEAT.** Select repeat one chapter/track or all.
- 15. L/R.** Toggle between the vocal or instrumental channels when playing a CD+G vocal track.
- 16. RETURN.** Use to step back a stage in DVD menus.
- 17. VOLUME +/-.** Adjust the output volume of the KS-3.
- 18. RANDOM.** Press to start a random track/chapter playlist.
- 19. NEXT.** Press to jump to the next track or chapter.
- 20. PAUSE.** Use to directly access certain tracks/chapters on a disc.
- 21. PLAY.** Press to begin playback of a CD/DVD/CD+G disc.
- 22. ZOOM.** Press to zoom. Further pressing changes the magnification.
- 23. FWD.** Fast search through a track/chapter (not CD+G).
- 24. SELECT.** Fast search backwards through a track/chapter.
- 25. MENU.** Use to the menu screen on a DVD disc.
- 26. PROGRAM.** Use to program a desired track/chapter play order.
- 27. SEARCH.** Press this key. Then type the track or chapter number you wish to access.
- 28. ANGLE.** Some DVD discs have multiple viewing angles. Press to toggle between available angles.
- 29. OSD.** Press to turn on or off the on-screen display during disc playback.
- 30. MUTE.** Use to mute the audio output of the KS-3.

USING THE MICROPHONE FEATURES

There are generally two different formats of karaoke discs on the UK market. CD and Graphics (CD+G) discs and more recently DVD karaoke discs. Both types of karaoke discs will display lyrics on your television screen and both are compatible with this system.



USING CD+G KARAOKE DISCS

CD+G karaoke discs work in a similar way to standard audio CDs in the way that they are operated using the KS-3. When buying CD+G discs, look for the CD+G logo shown above.

Follow the instructions below for details on how to use CD+G karaoke discs.

1. Insert the CD+G disc into the disc drawer with the label side facing upwards using the eject button on the remote control or on the front panel to open the drawer. Close the drawer to begin playback.
2. The KS-3 will begin playback from the first track on the disc. You will now see the song title follows by the song lyrics.
3. Skip between tracks on the CD+G disc using the NEXT and PREV buttons on the remote control or the front panel.
4. The fast search up/down feature is disabled during CD+G playback as this function is not available when playing this format of disc.



USING DVD KARAOKE DISCS

DVD karaoke discs work in a similar way to CD+G discs in that they display the lyrics on your television. However, the advantages of DVD include improved audio and video quality in addition to interactive menus. When buying DVD karaoke discs, look for the DVD Karaoke logo shown above.

Follow the instructions below for details of how to use DVD karaoke discs.

1. Insert the DVD karaoke disc into the disc drawer as described in the section above.
2. After the DVD disc has registered in the player you will probably be greeted with a menu screen.
3. From this menu screen you should choose which track you wish to play or any other options which may be available.
4. You can navigate these menus using the navigation keys on the remote control.
5. Make a selection from the menus using the SELECT key on the remote control (24, page 7).
6. In most cases you can choose whether you wish to play vocal or instrumental versions of a track from this menu.
7. You can return to the start-up menu screen at any time using the MENU key on the remote control.

ADDITIONAL KARAOKE FEATURES

ECHO. You can add echo to the microphone signals using the ECHO control knob on the front panel of the KS-3.

USING THE MICROPHONE

Before you switch on the system connect one or both of the supplied microphones.

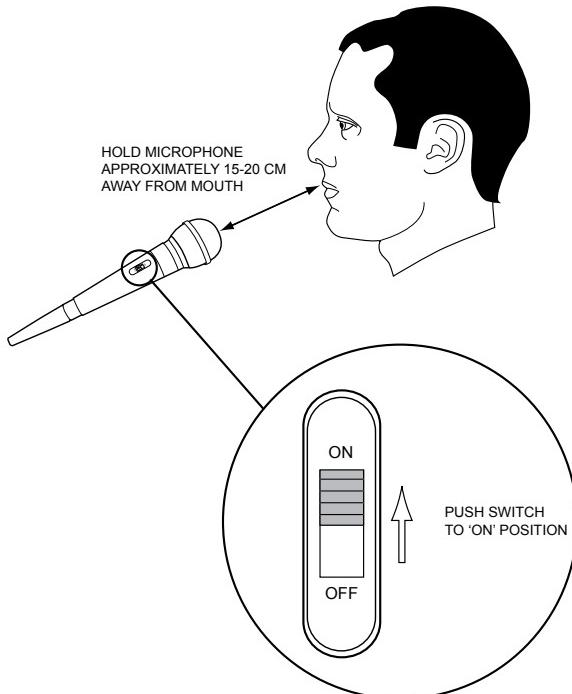
The supplied microphones are fitted within a 6.35mm jack plug. Connect the 6.35mm jack plug into one of the microphone inputs on the front of the KS-3. Adjust the microphone volume to the minimum level before switching on your equipment.

Once you have selected the desired track on your CD+G or DVD disc (see pages 12 & 13), whether it be a vocal or instrumental version you can begin to sing into the microphone by following the below instructions:

1. Adjust the microphone volume control on the front panel to a reasonable level.
2. Switch the microphone on by moving the ON/OFF switch located on the body of the microphone up to the ON position.
3. Hold the microphone approximately 15-20 cm away from your mouth.
4. Sing!

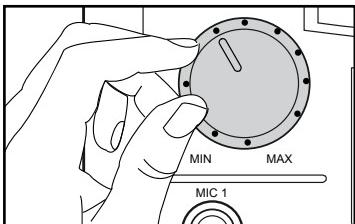
You may experience feedback when using the microphones. This is a loud howling noise that emits from your speakers or television set. To avoid this do one of the following:

1. Reduce the microphone volume level on the KS-3.
2. Move the microphone further away from the KS-3



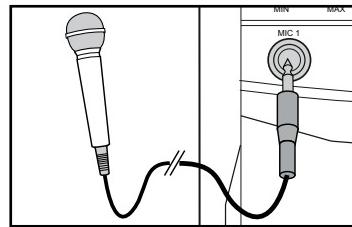
USING THE MICROPHONE CONTROLS

The MIC VOLUME knob adjusts the microphone volume level only and should be adjusted along with the MUSIC VOLUME (10, page 4) control until the desired vocal/music mix is achieved.



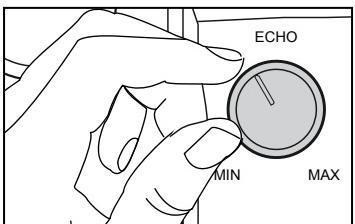
Use the MIC VOLUME knob to adjusts the microphone volume.

Take care not to turn the MIC VOLUME too high when in close proximity to the KS-3 or external loudspeakers, as feedback will occur.



Plug a microphone into either MIC1 or MIC2 sockets.

The depth of echo which is applied to both microphone channels can be adjusted by turning the ECHO knob (6, page 4) clockwise to increase the depth of echo, or anti-clockwise to reduce down to 'MIN' if no echo is required.



Use The ECHO knob to adjusts the depth of echo applied to both mic channels.

USING THE CD+G/DVD PLAYER

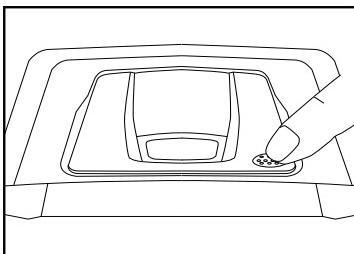
The KS-3 is fitted with a unique DVD player, that has been enhanced with the ability to play CD+G karaoke discs. With this feature you can purchase both DVD and CD+G karaoke discs.

LCD DISPLAY

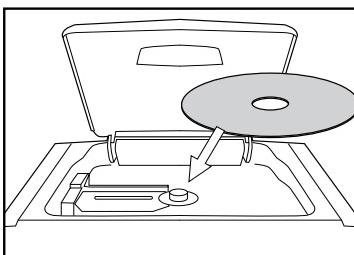
The KS-3 is fitted with an LED display (17, page 4) which, when a CD/CD+Graphics disc is loaded, will show information including track number and track time.

TO LOAD A CD/CD+G/DVD

Press the OPEN/CLOSE button on the loading tray door (18, page 4) to open the disc drive. Place a disc into the disc drive with the label uppermost. Once the CD lid is fully closed the CD will automatically load. You will then hear the CD spinning as the disc is being read.



To load a disc, first push the OPEN/CLOSE button on top of the disc lid.



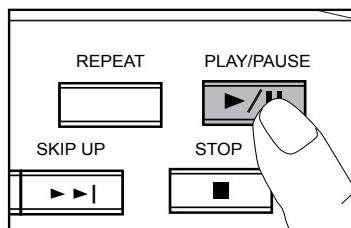
Place a disc into the disc drive with the label uppermost. Then close the lid.

TO PLAY A CD/CD+G/DVD

To commence playing a CD, press the PLAY/PAUSE button (14, page 4) once. This will start playing the disc from the first available track. The LED display will now show the track number being played and the track timer will commence. If you are using a DVD or CD+Graphics disc you will be able to hear both audio and view the lyrics on an external television.

TO PAUSE A CD/CD+G/DVD

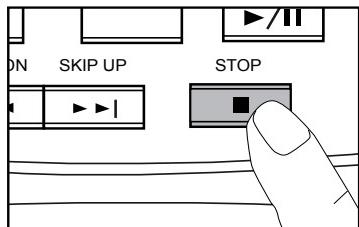
To pause a disc during playback, press the PLAY/PAUSE button. This will temporarily stop the disc at this point. To recommence play, press the PLAY/PAUSE button once again.



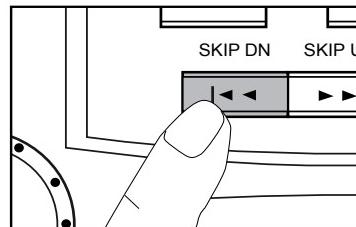
To play/pause a disc press the PLAY/PAUSE button.

TO STOP A DVD/CD

To stop playing a DVD/CD, press the STOP button once. The LED display will now show the total number of tracks on the DVD/CD and the total time. All functions will be cancelled, to resume playback from the first available track on the DVD/CD press the PLAY/PAUSE button once.



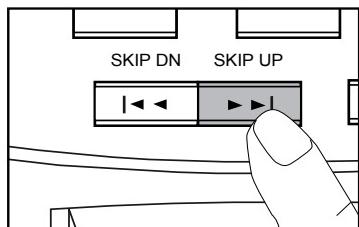
To stop a DVD/CD, press the STOP button.



To select a previous track on the DVD/CD, press SKIP DN.

TO SKIP TRACKS ON A DVD/CD

It is possible to change the track being played, either forwards or backwards through the DVD/CD track listing. When searching a DVD/CD for a track, the total time of each track will be displayed on the LED display. To advance to the next track, press and release the SKIP UP button (11, page 4) once. To advance the track again, repeatedly press and release the SKIP UP button until the desired track is located. To select a previous track, press and release the SKIP DN button (3, page 4) continuously until the desired track is located. Pressing the SKIP DN button once during playback will return to the beginning of the current playing track.



To advance to the next track on a DVD/CD, press the SKIP UP button.

USING THE REPEAT BUTTON

You can use the repeat button to either continuously repeat a single track/chapter or to repeat each track/chapter. Press once to repeat a single track. Press again if you wish to repeat each track and press again to cancel the repeat function. When connected to a television you can see what repeat function you have selected.

UNDERSTANDING MULTIPLEX

Multiplex is a term used to describe the separation of the background music from the vocal track. By recording the background music on the left channel and the vocal track on the right, it is possible to mix the two to gain a vocal version of a song, or play just the background music and you would normally expect to hear on a karaoke track.

USING THE AVC (AUTO VOCAL CUT) CONTROL

Sometimes, when singing karaoke it is easy to loose your place or become embarrassed. When playing the vocal track on a multiplex disc, it is possible to replace the singers voice with your own as soon as you start singing into the microphone by using the AVC control (8, page 4). If you then subsequently stop singing, the singer on the recording will resume to pick up where you left off.

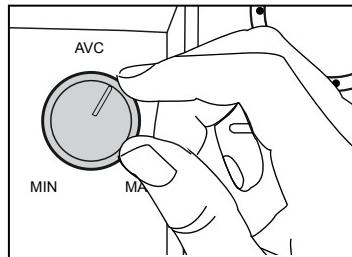
It is also possible to adjust the amount the singers voice is reduced so that it does not leave all of the singing to you..

Turning the AVC control clockwise will increase the amount the singers voice is reduced. Turning the AVC control completed anti-clockwise to the MIN position will turn this feature off resulting in the singers voice on the track being at full volume along side your own singing voice.

The setting of this control is down to user preference and should be adjusted until the desired level is achieved.

USING THE AUDIO BUTTON

You can use the AUDIO button on the front panel (2, page 4) to manually select which channel of sound you wish to hear when playing a multiplex disc. You can select MONO L (Left channel only), MONO R (Right channel only - typical vocal channel) or STEREO (Both left and right channels).



Turning the AVC control clockwise will increase the amount the singers voice is reduced when you sing into the microphone.

KS-3 SETUP

The KS-3 has very comprehensive setup menus with which you can adapt the system to your personal preferences.

To access the setup menus press the SETUP button on the remote control (5, page 7) . Pressing this button again will exit the setup menus.

Use the navigation keys on the remote control (6, page 7) to navigate the setup menus and make a selection using the SELECT key on the remote control (24, page 7) when your desired selection is highlighted.

NOTE: Some setup menus cannot be selected. This may be due to the type of disc which is currently in the system and you have to take the disc out of the disc drawer to access all options.

SYSTEM SETUP MENU

TV SYSTEM.

Choose the type of television you are connecting to. Either PAL or PAL60 (EU), NTSC (US) or AUTO.

SCREEN SAVER

If the SCREEN SAVER is set to ON and the unit is switched on without a disc playing for several minutes, a moving picture (screen saver) appears.

TV TYPE

I. 4:3 PS. When the unit is connected to a normal 4:3 aspect television, a wide-screen movie will be displayed as full screen. However, some of the wide-screen image will be cut-off.

II. 4:3 LB. When the unit is connected to a normal 4:3 aspect television, a wide-screen image is shown in full but black bars will appear at the top and bottom of the screen.

III. 16:9. Select this option when you have connected the system to a wide-screen television.

PASSWORD

Before you can make changes to the parental control level you must enter the default password. The default password for the KS-3 is 0000.

PARENTAL CONTROL LEVEL

From this menu you can disable certain types of DVD disc from being played on the KS-3. The levels range from 1 – 8 with level 1 being extremely strict.

DEFAULT

Reset all menus on the KS-3 to their default factory settings.

LANGUAGE SETUP MENU

OSD LANG (ON SCREEN DISPLAY)

Select your preferred DVD display language from the options available.

AUDIO LANGUAGE

Change the language of the DVD audio soundtrack. This will be limited to the number of languages available on the DVD disc. The LANGUAGE button on the remote control (2, page 7) has the same function.

SUBTITLE LANGUAGE

Change the subtitle language of the DVD movie disc. As above, this menu will be limited to the number of subtitle languages available on the disc. The SUBTITLE button on the remote control (3, PAGE 7) has the same function.

MENU LANGUAGE

Change the language of the DVD disc menu. This will be limited to the number of languages available on the DVD disc.

VIDEO SETUP MENU

You can fine tune the visual appearance of the DVD video output. From this menu you can adjust the values of brightness, contrast, colour hue and colour saturation.

TROUBLE SHOOTING

PROBLEM	POSSIBLE SOLUTION
No power when switched on	<ul style="list-style-type: none">Mains socket not switched on, or faulty.Plug not fully inserted into wall socket.Mains fuse has blown inside plug.Mains fuse has blown inside unit, this will need to be replaced by a qualified service technician.Power cord has become faulty, this should be replaced immediately by a qualified service technician.
No Sound	<ul style="list-style-type: none">Power not turned onVolume control set to '0'Microphones are not connected
The CD will not load	<ul style="list-style-type: none">Check disc is not loaded upside down.Check disc is clean and not damaged.
The CD is skipping	<ul style="list-style-type: none">Check that the disc is not scratched, dirty, or damaged.Ensure the KS-3 is on a firm level surface.
Microphone does not work	<ul style="list-style-type: none">Microphone not switched on, or faulty.Microphone volume set too low.Master Volume set too low.
Loud Buzz or hum	<ul style="list-style-type: none">Audio cables have become entangled with mains cables, or faulty.

CARE AND MAINTENANCE

To clean the KS-3, wipe its case with a slightly moist lint-free cloth. Do not use any cleaning fluids containing alcohol, ammonia or abrasives. Do not spray aerosol on or near the CD/DVD loading tray.

Always use original packaging if it is necessary to transport the unit at any time.

If this unit is used in dusty environments, it may be necessary to have the unit serviced at your local dealer periodically. It is not advisable to allow large deposits of dust to accumulate within this unit as it may prevent correct cooling. Similarly dust deposit which become damp can sometimes lead to electrical problems which may cause severe damage to the delicate electronics within this unit.

SPECIFICATIONS

POWER SUPPLY

AC~230V 50Hz

POWER OUTPUT (THD 10%)

4W RMS

15W peak music power output

SPEAKER

4 inch speaker (8 ohm)

CD/CD+G/DVD PLAYER

8 & 12cm disc compatible

CD+G/DVD video output

AVC (Automatic Voice Control) with multiplex CD+G discs

Programmable memories

AUDIO CONTROL

Rotary volume control

Microphone volume control

Microphone echo

Microphone input

Stereo (L/R) audio output/input

DIMENSIONS

215 x 320 x 235

CONTACT DETAILS

We trust you are completely satisfied with this product from Acoustic Solutions Limited, however please feel free to contact us if you experience any difficulties, or if you would like to express your views regarding our products.

Please write to:

Acoustic Solutions Limited.

Grand Union Buildings

54 High Street

Weedon Bec

Northampton

NN7 4QD

United Kingdom

Telephone: 0871 230 7747

www.acousticsolutions.co.uk

email: enquiries@acousticsolutions.co.uk

Through the process of continuous improvement, Acoustic Solutions Limited reserves the right to change or alter specifications without prior notice.
E&OE.